Product data sheet

Specifications

bar-mounted contactor - TeSys LC1-BR - 3 poles - AC-1 1000V 2750 A - coil 82 VDC

LC1BR33074DC22

Discontinued

Main

Range	TeSys
Product name	TeSys B
Product or Component Type	Contactor
Device short name	LC1BR
Contactor application	Motor-heating-lighting
Utilisation category	AC-1
Control circuit type	DC
Coil type	Standard
Poles description	3P
Pole contact composition	3 NO
[Ie] rated operational current	2750 A (at <104 °F (40 °C)) AC AC-1 for power circuit
Auxiliary contact composition	2 NO + 2 NC
[Uc] control circuit voltage	82 V DC

Complementary

Protective cover	With
Auxiliary contacts type	Instantaneous 2 NO + 2 NC
Control circuit voltage limits	Operational: 0.85...1.1 Uc Drop-out: 0.4...0.5 Uc
[Ui] rated insulation voltage	1000 V - power circuit IEC 60158-1 1000 V - power circuit IEC 60947-4 1500 V - power circuit VDE 0110 group C
Connections - terminals	Power circuit bars 4 x 100 x 5 mm
Tightening torque	Power circuit 309.8 lbf.in (35 N.m) bars
[Ue] rated operational voltage	Power circuit <= 1000 V AC 50/60 Hz
[Ith] conventional free air thermal current	2750 A (at 104 °F (40 °C)) for power circuit
Irms rated making capacity	18000 A at 1000 V AC for power circuit conforming to IEC 60158-1 18000 A at 1000 V AC for power circuit conforming to IEC 60947-4
Rated breaking capacity	11000 A at 660...690 V for power circuit conforming to IEC 60158-1 11000 A at 660...690 V for power circuit conforming to IEC 60947-4 15000 A at 500 V for power circuit conforming to IEC 60158-1 15000 A at 500 V for power circuit conforming to IEC 60947-4 18000 A at 440 V for power circuit conforming to IEC 60158-1 18000 A at 440 V for power circuit conforming to IEC 60947-4 6000 A at 1000 V for power circuit conforming to IEC 60158-1 6000 A at 1000 V for power circuit conforming to IEC 60947-4

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Associated fuse rating	2000 A aM at <= 440 V for power circuit 2400 A gI at <= 440 V for power circuit
Average impedance	0.09 mOhm - Ith 2750 A 50 Hz for power circuit
Power dissipation per pole	680 W AC-1 - Ith 2750 A
Operating time	100...150 ms closing 20...40 ms opening
Mechanical durability	1200000 cycles
Maximum operating rate	120 cyc/h 131 °F (55 °C)
Rated operational power in W	200 W 500 V AC 1000000 cycles - control circuit 230 W 440 V AC 1000000 cycles - control circuit 250 W 110 V AC 1000000 cycles - control circuit 250 W 220 V AC 1000000 cycles - control circuit
Height	21.9 in (555 mm)
Width	18.7 in (475 mm)
Depth	36.02 in (915 mm)
Net Weight	284.4 lb(US) (129 kg)

Environment

Standards	NF C 63-110 IEC 60158-1 VDE 0660 IEC 60947-4 BS 5424
Product Certifications	RINA CSA BV
Protective treatment	TC TH
Ambient Air Temperature for Operation	23…131 °F (-5…55 °C)
Ambient Air Temperature for Storage	-76…176 °F (-60…80 °C)
Operating altitude	9842.52 ft (3000 m)

Ordering and shipping details

Category	22341-CONTACTOR,D,K,&F ACCESS
Discount Schedule	I12
Returnability	No
Country of origin	FR

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Longer

Lifetime extension

Repair	No

Use Again

Repack and remanufacture

WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.